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TALANT-KEYHOLE
CONTROL SYSTEM ONLY

DECLASS REVIEW BY NIMA / DoD

TCS-13666-65
24 November 1965

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MEMORANDUM FOR: Chief, DIAST-2/DIA

25X1A ATTENTION :

SUBJECT : Antenna Facilities near Talgom, Nikolayev, Rustavi,
Odessa and Podolsk, USSR

REFERENCE : DIA-37-65 (ST-2)
(NPIC Project 11281-6)

1. This memorandum has been prepared in response to the referenced requirement which requests the following information on antenna facilities near Talgom, Nikolayev, Rustavi, Odessa and Podolsk, USSR.

25X1B

25X1B

What are the negation dates for the unusually configured antennas? What is the purpose of the new type control building associated with the antennas?

25X1B

25X1D

25X1D

2. All evidence points to the firm conclusion that the reported rail mounted feed towers (TCS-80679/65 and TCS-8455/64) are in fact rails on guises. It was also noted in TCS-80679/65 (NPIC/R-901/64) that [redacted] [redacted] [redacted] the rail mounted feed tower at the Nikolayev Facility had been moved; its rails to a new position.

Excluded from automatic
downgrading and
declassification

518753

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- 25X1D 4. [REDACTED] is definite proof that
25X1D feed tower movement has taken place at the Taldom Facility. The comparison
was based on the tower positions imaged in [REDACTED] from
which the drawing of the Taldom Facility was based in TCS-8-55/6. This
report delineates the [REDACTED] tower at antenna #3 adjacent to the unidentified
25X1D tower along the southeast portion of the rails. [REDACTED] positions this
same tower along the northwest end of the rails. The unidentified tower does
not appear to be rail mounted, its position remains unchanged.
- 25X1D 5. There are only [REDACTED] good missions, [REDACTED] covering the
25X1D Rustavi area since the feed towers were erected. Obliquity precludes
determining exact locations of the feeds, however if any movement has been
effected it would be very slight.
6. No towers have been constructed at the Odessa Facility to date.
In fact the site has not changed since the last reporting.
- 25X1D 7. Movement of the feed towers has been detected at the Podolsk
Facility. [REDACTED] reveals that the northern feed tower has
25X1D been moved along its rails in a western direction with respect to the position
imaged on [REDACTED]
8. Also noteworthy at Podolsk is a probable commo facility under
construction east of the spherical curtain antennas which appears secure and
includes the area surrounding the previously reported possible control
building (TCS-8-59/65). Types of antennas cannot be identified at this time.
9. Report # TCS- [REDACTED] 1/65 now in WPIC production furnishes nega-
where possible of [REDACTED] the sites in question.

25X1B

11. This project is complete.

25X1A

[REDACTED]
Colonel, USA
Assistant for Photographic Analysis, WPIC

FOUO-13666-65

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~~A 100275~~

~~TOP SECRET~~

5-18754

OAK

PHOTOGRAPHIC INTERPRETATION REPORT



DECLASS REVIEW BY NIMA / DoD

MISSION 1022-1

20-23 JULY 1965

PART I

TCS-80982/65

JULY 1965

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GROUP 1 EXCLUDED FROM AUTOMATIC DOWNGRADING AND DECLASSIFICATION

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MISSION 1022-1 20-23 JULY 1965

TCS-80982/65

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OAK - PART I
MISSION 1022-1

PREFACE

THIS IS THE FIRST OF TWO OAK REPORTS ON MISSION 1022-1 AND PROVIDES INFORMATION ON THOSE COMMITTEE ON OVERHEAD RECONNAISSANCE (COMOR) TARGETS OBSERVED ON THE PHOTOGRAPHY.

TARGETS ARE ARRANGED IN THE OAK BY SUBJECT AND WITHIN EACH SUBJECT BY COMOR TARGET NUMBER. TARGETS OF OPPORTUNITY OBSERVED DURING THE OAK REPORTING PERIOD ARE LISTED NUMERICALLY UNDER THE APPROPRIATE SUBJECT AFTER THE LISTING OF COMOR TARGETS. LOCATIONS OF TARGETS IN THIS REPORT ARE INDICATED BY THE COUNTRY CODE PRECEDING THE COORDINATES.

SELECTED PHOTOGRAPHIC REFERENCES FOR EACH TARGET OBSERVED AND REPORTED FOLLOW THE DESCRIPTION OF THE TARGET. PASS NUMBERS ARE SUFFIXED WITH EITHER AN A FOR ASCENDING (SOUTH-TO-NORTH), D FOR DESCENDING (NORTH-TO-SOUTH), OR M FOR A MIXED ASCENDING AND DESCENDING PASS. FRAMES ARE INDICATED BY THE LETTERS FR. THE LETTER F PRECEDING FRAME NUMBERS INDICATES THE FORWARD CAMERA, AND THE LETTER A INDICATES THE AFT CAMERA. UNIVERSAL REFERENCE GRID (X-Y) COORDINATES ARE GIVEN IN PARENTHESIS AFTER THE FRAME TO WHICH THEY APPLY. THIS GRID IS IDENTIFIED AS UNIVERSAL GRID NO 1, FEB 64. SYMBOLS INDICATING CONDITIONS WHICH AFFECT THE APPEARANCE OF THE TARGET ON THE PHOTOGRAPHY ARE AS FOLLOWS -- C (CLEAR), H (HAZE), CS (CLOUD SHADOW), HC (HEAVY CLOUDS), SC (SCATTERED CLOUDS), SD (SEMIDARKNESS), O (OBLIQUITY), AND S (SNOW).

THE QUALITY OF THE PHOTOGRAPHY IS CATEGORIZED AS G (GOOD), F (FAIR), OR P (POOR). THE EXTENT OF PHOTOGRAPHIC COVERAGE IS DENOTED BY THE SYMBOLS T (TOTAL), PT (PARTIAL) OR ID (IDENTIFICATION ONLY). THE MODE OF COVERAGE IS INDICATED BY ST (STEREO), MN (MONO), OR PST (PARTIAL STEREO).

OAK RECIPIENTS ARE CAUTIONED THAT THE INITIAL SCAN OF THE PHOTOGRAPHY IS BEING ACCOMPLISHED IN A SHORT TIME AND PRIOR TO FINAL REFINEMENT OF EPHEMERIS DATA. CONSEQUENTLY, FUTURE DETAILED ANALYSIS MAY RESULT IN MINOR ALTERATIONS.

25X6

Next 1 Page(s) In Document Exempt

Highlights

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HIGHLIGHTS

TYURATAM MISSILE TEST CENTER [REDACTED]

25X1A

THE EXTREME WEST EDGE OF THE RANGEHEAD IS COVERED BY SMALL SCALE POOR QUALITY PHOTOGRAPHY LACKING DETAIL AND DEFINITION.
SUPPORT FACILITY AT COMPLEX G, LAUNCH AREAS G1-G2, G5-G6, LAUNCH SITES L6 AND L7, AND THE REVETTED STORAGE AREA CAN BE IDENTIFIED ONLY.

UZHUR ICBM COMPLEX [REDACTED]

25X1A

TWO TYPE IIIIC LAUNCH AREAS ARE NEWLY IDENTIFIED.

KARTALY ICBM COMPLEX [REDACTED]

25X1A

THREE NEW, TYPE IIIIC LAUNCH AREAS, 1 CONFIRMED AND 2 POSSIBLE, ARE IDENTIFIED.

SHUANG-CHENG-TZU MISSILE TEST CENTER [REDACTED]

25X1A

THREE INSTRUMENTATION SITES, THE TERMINUS OF THE RAIL LINE INTO THE DESERT, AND THE REVETTED STORAGE AND HANDLING AREAS ARE THE ONLY FACILITIES VISIBLE. MOST OF THE MISSILE TEST CENTER IS CLOUD COVERED.

ZAGORSK ROCKET ENGINE TEST FACILITY [REDACTED]

25X1A

PREVIOUSLY OBSERVED AREA OF CONTINUING CONSTRUCTION ACTIVITY NOW APPEARS TO BE A POSSIBLE TEST SITE.

TAI-YUAN SOLID PROPELLANT TEST FACILITY [REDACTED]

25X1A

A BLAST SCAR IS VISIBLE AT THE HORIZONTAL TEST STAND LOCATED IN THE PROPELLANT TEST FACILITY, INDICATING THAT THE FACILITY IS OPERATIONAL.

ALEKSEYEVKA AIRFIELD [REDACTED]

25X1A

A BEAR AIRCRAFT IS SEEN FOR THE FIRST TIME ON THIS FIELD.

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25X2

IVASHKA TALL KING-AW RADAR FACILITY (ELECTRONICS BONUS)

FACILITY CONTAINS A DUAL TALL KING SITE WITH 2 TALL KING ANTENNAS, 2 ANTENNA BUILDINGS, 2 SUPPORT BUILDINGS, AND AN AIR WARNING SITE AND APPROXIMATELY 6 UNIDENTIFIED PROBABLE ELECTRONIC FACILITIES.

MYS KRASHENINNIKOVA CONSOL STATION (ELECTRONICS BONUS)

STATION CONSISTS OF A TALL GUYED CENTRAL REFERENCE ANTENNA, 2 TALL GUYED TERMINAL ANTENNA TOWERS AND A PROBABLE UNIDENTIFIED ANTENNA.

STATUS OF COMOR TARGET READOUT

FIFTY-SEVEN COMOR TARGETS WERE OBSERVED DURING THE OAK REPORTING PERIOD AND ARE CONTAINED IN THIS OAK.

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Missiles

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MISSILES

25X1A

TYURATAM MISSILE TEST CENTER

UR 4538N 06317E

THE EXTREME WEST END OF THE RANGEHEAD IS COVERED BY SMALL SCALE, POOR QUALITY PHOTOGRAPHY. THE COMPLEX SUPPORT FACILITY AT COMPLEX G (SITES 7, 11, 12, 18, 19), LAUNCH AREAS G1-G2 (SITE 7), G5-G6 (SITE 12), LAUNCH SITES L6 (SITE 26) AND L7 (SITE 30), AND THE REVETTED STORAGE AREA CAN BE IDENTIFIED ONLY.

25X9

THE MISSILE GANTRY AT LAUNCH AREA G5-G6 IS POSITIONED ON PAD G5. [REDACTED]

THE UNIDENTIFIED CONSTRUCTION SOUTH OF IT ARE COVERED IN STEREO AND SHOW NO APPARENT CHANGE, HOWEVER, POOR QUALITY PRECLUDES DETAILED INTERPRETATION.

25X1D

DROVYANAYA ICBM COMPLEX

UR 5131N 11300E

LAUNCH AREA B (SITE 2) CAN BE IDENTIFIED ONLY. REMAINDER OF COMPLEX IS CLOUD COVERED.

25X1D

ITATKA ICBM COMPLEX

UR 5650N 08535E

NO SIGNIFICANT CHANGE AT LAUNCH AREA C (SITE 3). COMPLEX SUPPORT FACILITY, RAIL-TO-ROAD TRANSFER POINT, AND LAUNCH AREA A (SITE 1) CAN BE IDENTIFIED ONLY. LAUNCH AREA B (SITE 2) IS CLOUD-COVERED.

25X1D

UZHUR ICBM COMPLEX

UR 5517N 08949E

TWO LAUNCH AREAS (O AND P), BOTH IN AN EARLY STAGE OF CONSTRUCTION, ARE NEWLY OBSERVED ON THIS MISSION. NEITHER LAUNCH AREA WAS EVIDENT ON [REDACTED]

25X1D

25X1D

LAUNCH AREA O IS LOCATED APPROXIMATELY 12 NM SSE OF THE RAIL-TO-ROAD TRANSFER POINT AT 55-04N 089-49E. LAUNCH AREA P IS LOCATED APPROXIMATELY 16 NM SSW OF THE TRANSFER POINT AT 55-01N 089-35E.

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LAUNCH AREA D CONSISTS OF A SHALLOW, SQUARE EXCAVATION WITH 2 EARTH ACCESS RAMPS ENCLOSED BY A SQUARE FENCE. LAUNCH AREA P CONSISTS OF A SHALLOW EXCAVATION WITH 2 IRREGULAR SPOIL PILES. NO SECURITY FENCE COULD BE IDENTIFIED. POSSIBLY ASSOCIATED BUILDINGS ARE UNDER CONSTRUCTION TO THE NNW.

LAUNCH AREAS A-F (SITES 1-6), H (SITE 8), AND K (SITE 11) ARE IN A MID-STAGE OF CONSTRUCTION. LAUNCH AREAS G (SITE 7), I (SITE 9), J (SITE 10), AND L-P (SITES 12-14) ARE IN AN EARLY STAGE OF CONSTRUCTION.

CONSTRUCTION CONTINUES AT THE L-SHAPED ELECTRONIC FACILITY AT LAUNCH AREA B (SITE 2). THERE ARE 2 LONG, LOW ARCH-ROOFED BUILDINGS UNDER CONSTRUCTION OUTSIDE THE SECURITY FENCE AT LAUNCH AREA B. CABLE TRENCHES LEAD FROM THE VICINITY OF LAUNCH AREA B TO LAUNCH AREAS A (SITE 1), C (SITE 3), D (SITE 4), E (SITE 5), AND BETWEEN A AND F (SITE 6), D AND C, D AND E, FROM C TOWARD G, AND D TOWARD I.

A WELL ENGINEERED ROAD LEADS FROM THE RAIL-TO-ROAD TRANSFER POINT NORTHWARD TO AN IMPROVED PRE-EXISTENT ROAD WHICH RUNS EAST/WEST THROUGH THE COMPLEX. IMPROVED ROADS LEAD FROM THE ROAD TO LAUNCH AREAS A, B, C, D, F, AND H. AN IMPROVED ROAD LEADS FROM LAUNCH AREA E TOWARD THE TRANSFER POINT. CONSTRUCTION CONTINUES IN THE TRANSFER POINT AND THE COMPLEX SUPPORT FACILITY.

25X1D
25X1D

PHOTOGRAPHIC REFERENCES FOR SIGNIFICANT ITEMS ON [REDACTED]

25X1D

LAUNCH AREA D
LAUNCH AREA P

25X1D

25X1A

NOVOSIBIRSK ICBM COMPLEX

UR 5515N 08259E [REDACTED]

LAUNCH AREA B (SITE 1) AND RAIL-TO-ROAD TRANSFER POINT CAN BE IDENTIFIED ONLY. REST OF COMPLEX IS CLOUD-COVERED.

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25X1A

KARTALY ICBM COMPLEX

UR 5302N 06035E

THE COMPLEX IS PARTIALLY COVERED BY POOR QUALITY, STEREO PHOTOGRAPHY.

A NEWLY IDENTIFIED LAUNCH AREA (K) IS LOCATED AT 53-12N 060-33E. THE SITE IS IN AN EARLY STAGE OF CONSTRUCTION.

TWO ADDITIONAL POSSIBLE LAUNCH AREAS (L & M) ARE LOCATED AT 53-10N 060-11E AND 53-03N 060-08E, RESPECTIVELY. BOTH ARE IN A VERY EARLY STAGE OF CONSTRUCTION.

LAUNCH AREAS A (SITE 1) AND D (SITE 4) REMAIN IN A MID-STAGE OF CONSTRUCTION. THEY NOW HAVE A LINEAR OBJECT LOCATED ON THE EARTHEN MOUNDS ADJACENT TO THE SILO STRUCTURES. THERE APPEAR TO BE FOUR SECTIONS OF THIS OBJECT AT LAUNCH AREA A, PROBABLY FABRICATION SECTIONS FOR A SILO LINER. THE LINEAR OBJECT AT D APPEARS TO BE IN ONE PIECE.

LAUNCH AREA H (SITE 8) CAN BE IDENTIFIED ONLY. LAUNCH AREAS B (SITE 2), C (SITE 3), E (SITE 5), F (SITE 6), G (SITE 7), I (SITE 10), AND POSSIBLE LAUNCH AREA J ARE CLOUD COVERED.

25X1D

PHOTOGRAPHIC REFERENCES FOR SIGNIFICANT ITEMS ON PASS

25X1D

LAUNCH AREA K --
POSSIBLE LAUNCH AREA L --
POSSIBLE LAUNCH AREA M --

25X1D

25X1A

TAYBOLA IRBM LAUNCH SITE 13

UR 6825N 03329E

25X1D

NO CHANGES SINCE OR ACTIVITY OBSERVED AT LAUNCH SITE.

25X1D

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25X1A

SHUANG-CHENG-TZU MISSILE TEST CENTER

CH 4107N 10020E

25X1D

NO CHANGES OBSERVED SINCE [REDACTED] IN THE
SAM INSTRUMENTATION SITE 5, NORTHERN SITE OF THE L
INSTRUMENTATION PATTERN, AND TERMINUS OF RAIL LINE INTO
DESERT.

THE FOLLOWING CAN BE IDENTIFIED ONLY -- THE REVETTED
STORAGE AREA, REVETTED STORAGE AND HANDLING AREA, AND
APEX SITE OF THE L INSTRUMENTATION PATTERN. THE
REMAINDER OF THE MISSILE TEST CENTER IS CLOUD COVERED.

APPROXIMATELY 60 PERCENT OF THE 50-NM SAM SEARCH AREA
IS COVERED BY PHOTOGRAPHY, 95 PERCENT OF WHICH IS
COVERED BY SCATTERED-TO-HEAVY CLOUDS AND HAZE. NO NEW
SAM ACTIVITY OBSERVED IN CLEAR AREAS.

25X1D

MAGADAN SUSPECT MISSILE TEST FACILITY

UR 6000N 15300E

NO SSM OR MILITARY ACTIVITY IDENTIFIED WITHIN EASTERN
80 PERCENT OF THE SOUTHERN HALF OF THE 75-NM-RADIUS
SEARCH AREA. NORTHERN HALF AND WESTERN 20 PERCENT ARE
NOT COVERED.

25X1D

ZAGORSK ROCKET ENGINE TEST FACILITY

UR 5625N 03810E

THE SECURITY FENCE SURROUNDING THE TEST FACILITY HAS
BEEN EXTENDED TO ENCLOSE A PREVIOUSLY OBSERVED AREA OF
CONTINUING CONSTRUCTION ACTIVITY WHICH NOW APPEARS TO
BE A POSSIBLE TEST SITE UNDER CONSTRUCTION. IT
CONSISTS OF AN IRREGULARLY SHAPED STRUCTURE IN AN
EXCAVATION WITH A NARROW RAMP OR CONVEYOR LEADING FROM
THE SIDE OF THE EXCAVATION TO THE TOP OF THE STRUCTURE,
A COMPLETED, POSSIBLY RAIL-SERVED SUPPORT BUILDING
APPROXIMATELY 300 FT LONG, 5 SMALL BUILDINGS, 2
POSSIBLE TANKS, AND SEVERAL OTHER SMALL STRUCTURES.

IN THE OLDER PORTION OF THE FACILITY THE SUMP FOR THE
BLAST DEFLECTOR COOLING SYSTEM AT THE LARGEST OF THE 4
TEST STANDS IS PROBABLY WATER FILLED. A POWERLINE
LEADING TO THE FACILITY FROM THE NW APPEARS TO BE
COMPLETED. NO UNUSUALLY LONG RAIL CARS OR MISSILE

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EQUIPMENT OBSERVED.

(SEE ATTACHMENT)

25X1D

25X1A

TAI-YUAN SOLID PROPELLANT TEST FACILITY CH 3759N 11233E

A BLAST SCAR IS VISIBLE AT THE HORIZONTAL TEST STAND
LOCATED IN THE PROPELLANT TEST FACILITY, INDICATING
THAT THE FACILITY IS OPERATIONAL.

NO SIGNIFICANT CHANGE IN FACILITIES OBSERVED SINCE

25X1D

BIYSK ROCKET MOTOR TEST FACILITY

UR 5229N 08507E

A NEW SUSPECT TEST POSITION IS OBSERVED UNDER
CONSTRUCTION ADJACENT TO THE WEST SIDE OF THE ISOLATED
TEST POSITION (1.5 NM NW OF THE MAIN TEST FACILITY).

THE POSITION CONSISTS OF A PERIMETER REVETMENT AND 3 OR
4 CIRCULAR SCARS AT THE BASE OF THE ESCARPMENT.
CONSTRUCTION AT THE SITE OF THIS POSITION WAS FIRST
OBSERVED ON

25X1D

WITHIN THE OFFSET BUILDING AREA, 2 OF THE 4 BUILDINGS
PREVIOUSLY REPORTED UNDER CONSTRUCTION ARE NOW COMPLETE
AND 2 BUILDINGS ARE OBSERVED UNDER CONSTRUCTION ON THE
SITES OF THE PREVIOUSLY REPORTED EXCAVATIONS.

25X1D

SHUMYACHI SUSPECT MISSILE AREA

UR 5348N 03228E

RAIL SPUR AND UNIDENTIFIED ACTIVITY ARE CLOUD COVERED.
NO SUSPICIOUS ACTIVITY OBSERVED WITHIN A 25-NM-RADIUS
OF THE SUBJECT UNIDENTIFIED ACTIVITY.

25X1D

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25X1A

BALABANOVO SUSPECT MISSILE ACTIVITY UR 5511N 03640E

NO MISSILE ASSOCIATED CONSTRUCTION OR ACTIVITY
IDENTIFIED IN CLOUD-FREE PORTIONS OF THE SEARCH AREA.
AREA IS APPROXIMATELY 65 PERCENT CLOUD COVERED.

25X1D

SEVEROMORSK SUSPECT NAVAL MSL STORAGE UR 6906N 03328E

NO CHANGES OR NEW CONSTRUCTION OBSERVED.

VESSELS -- NONE OBSERVED IN CLOUD-FREE AREAS.

25X1D

SEVEROMORSK NAVAL BASE UR 6904N 03326E

NO NEW CONSTRUCTION OR CHANGES IN FACILITIES OBSERVED.

VESSELS -- 1 PROBABLE CL, 4 PROBABLE DD, AND 6 PROBABLE
DE.

25X1D

SEVEROMORSK NVL MSL SUPP FAC VARLAMOVA BAY UR 6904N 03323E

IDENTIFICATION ONLY.

25X1D

ANTIPINSKOYE SAM ACTIVITY UR 5254N 11332E

IDENTIFICATION ONLY.

SEARCH AREA CAN BE IDENTIFIED ONLY.

25X1D

OLENEGORSK DUAL HEN HOUSE-TYPE STRUCTURE UR 6806N 03355E

25X1D NO APPARENT CHANGE SINCE

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**NO NEW COMMUNICATIONS OR ELECTRONIC FACILITIES
OBSERVED.**

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**Air
Facilities**

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25X1A

AIR FACILITIES

DOLON AIRFIELD

UR 5032N 07912E

NO NEW CONSTRUCTION OBSERVED. NO ASM OBSERVED.

AIRCRAFT -- 3 HEAVY SWEPT-WING.

25X1D

BARANOVICH AIRFIELD

UR 5306N 02603E

AIRCRAFT -- 6 BLINDER, 1 POSSIBLE BLINDER, AND AT LEAST
15 PROBABLE FIGHTERS.

25X1D

MINSK/MACHULISHCHE AIRFIELD

UR 5346N 02734E

25X1D

RUNWAY CONSTRUCTION COMPLETED ON

AIRCRAFT -- 23 MEDIUM SWEPT-WING.

25X1D

BYKHOV AIRFIELD

UR 5331N 03012E

25X1D

NO APPARENT CHANGE IN FACILITIES SINCE

25X1D

AIRCRAFT -- 27 BADGER, 14 MEDIUM STRAIGHT-WING, AND 1
PROBABLE MEDIUM STRAIGHT-WING.

25X1D

PRILUKI AIRFIELD

UR 5034N 03219E

25X1D

NO APPARENT CHANGE IN FACILITIES SINCE

25X1D

AIRCRAFT -- 44 BADGER.

25X1D

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25X1A

ORSHA AIRFIELD SOUTHWEST

UR 5426N 03018E

25X1D NO APPARENT CHANGE IN FACILITIES SINCE [REDACTED]

25X1D-

AIRCRAFT -- 32 BADGER.

25X1D [REDACTED]

GOMEL/PRIBYTKI AIRFIELD

UR 5218N 03110E

25X1D NO APPARENT CHANGE IN FACILITIES SINCE [REDACTED]

25X1D [REDACTED]

AIRCRAFT -- 15 BADGER AND 39 BLINDER.

25X1D [REDACTED]

BOBRUYSK AIRFIELD

UR 5306N 02912E

IDENTIFICATION ONLY.

25X1D [REDACTED]

TIKSI AIRFIELD

UR 7141N 12853E

NO NEW CONSTRUCTION OBSERVED.

AIRCRAFT -- 5 MEDIUM STRAIGHT-WING, 7 LIGHT STRAIGHT-WING, AND 6 POSSIBLE SMALL STRAIGHT-WING.

25X1D [REDACTED]

ALEKSEYEVKA AIRFIELD

UR 4915N 14014E

25X9 [REDACTED]

25X1D [REDACTED]

ELECTRONICS INCLUDE 1 LOCALIZER, AND 1 INNER AND 1 OUTER MARKER BEACON OFF ESE END OF RUNWAY.

AIRCRAFT -- 1 BEAR ON PARALLEL TAXIWAY, 24 BADGER ON HARDSTANDS, 15 BADGER ON 2 PARKING APRONS, 1 BADGER ON ALERT APRON, 1 BADGER ON TAXIWAY, AND 1 MEDIUM STRAIGHT-WING, 2 LIGHT STRAIGHT-WING, AND 2 SMALL

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STRAIGHT-WING ON ALERT APRON.

(SEE ATTACHMENT)

25X1D

25X1A

MIRGOROD AIRFIELD

UR 4956N 03339E

AIRCRAFT -- 17 PROBABLE BADGER AND 4 POSSIBLE BADGER ON
HARDSTANDS ALONG LOOP TAXIWAY.

25X1D

SOLTSY AIRFIELD

UR 5808N 03020E

25X1D

NO APPARENT CHANGE IN FACILITIES SINCE

25X1D

ONLY SOUTHERN 10 PERCENT OF AIRFIELD IS
VISIBLE.

AIRCRAFT -- 10 BADGER AND 1 POSSIBLE BADGER.

25X1D

TARTU AIRFIELD

UR 5824N 02646E

NO NEW CONSTRUCTION OR CHANGES IN FACILITIES.

25X9

NO EVIDENCE OF ASM STORAGE OBSERVED WITHIN A
10-NM-RADIUS OF AIRFIELD.

AIRCRAFT -- 1 MEDIUM SWEEP-WING, 2 POSSIBLE MEDIUM
SWEEP-WING, AND 7 LIGHT STRAIGHT-WING.

25X1D

OSTROV/GOROKHOVKA AIRFIELD

UR 5718N 02826E

25X1D

NO APPARENT CHANGE SINCE

AIRCRAFT -- 45 BADGER AND 1 POSSIBLE BADGER.

25X1D

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25X1A

TIKSI AIRFIELD WEST

UR 7141N 12842E

NO NEW CONSTRUCTION OBSERVED.

AIRCRAFT -- NONE OBSERVED.

25X1D

NIKOLAYEV/KULBAKINO AIRFIELD

UR 4656N 03205E

25X1D NO APPARENT CHANGE IN FACILITIES SINCE
25X1D MAINTENANCE AREA IS 95 PERCENT CLOUD
COVERED.

AIRCRAFT -- 22 BADGER AND 1 LIGHT STRAIGHT-WING.

25X1D

SARY-SHAGAN AIRFIELD

UR 4601N 07330E

NO NEW CONSTRUCTION ACTIVITY OBSERVED.

AIRCRAFT -- 13 MEDIUM SWEEP-WING, 2 MEDIUM
STRAIGHT-WING, 10 LIGHT STRAIGHT-WING, 8 SMALL
STRAIGHT-WING, AND 8 POSSIBLE SMALL STRAIGHT-WING ON
PARKING APRON.

25X1D

LIU-CHOU AIRFIELD

CH 2417N 10923E

25X1D NO APPARENT CHANGE IN FACILITIES SINCE

25X1D

AIRCRAFT -- NONE OBSERVED.

25X1D

WU-KUNG AIRFIELD

CH 3417N 10815E

25X1D NO APPARENT CHANGE IN FACILITIES SINCE

25X1D

AIRCRAFT -- 13 PROBABLE BULL AND 1 PROBABLE BADGER.

Handle Via
TALENT-KEYHOLE
Control System Only

TOP SECRET CHESS RUFF

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TCS-80982765

25X1D

25X1A

HSI-AN AIRCRAFT ENGINE PLANT WU-KUNG

CH 3417N 10815E

SOUTH EDGE OF WU-KUNG AIRFIELD.

PLANT CONTAINS 3 ADMINISTRATION BUILDINGS, 14 WORKSHOPS/MACHINE SHOPS, A FOUNDRY, A STEAMPLANT, 5 WAREHOUSES, A HIGH-BAY ASSEMBLY BUILDING, AND AN AIRCRAFT REPAIR/CHECKOUT BUILDING. ALL PREVIOUSLY REPORTED CONSTRUCTION IS APPARENTLY COMPLETE, INCLUDING THE TAXIWAY LINKING THE PLANT AND WU-KUNG AIRFIELD. NO NEW CONSTRUCTION OBSERVED. PRODUCTION STATUS CANNOT BE DETERMINED.

25X1A

AIRCRAFT ARE REPORTED UNDER COMOR

25X1D

NAN-NING AIRFIELD SOUTH

CH 2236N 10810E

25X1D

NO APPARENT CHANGE IN FACILITIES SINCE

25X1D

AIRCRAFT -- 3 SMALL SWEPT-WING AND 2 SMALL PROBABLE AIRCRAFT.

25X1D

25X2

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**Naval
Activity/
Ports**

Handle Via
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TCS-80982/65

NAVAL ACTIVITY/PORTS

25X1A

BUKHTA SARANNAYA SUSPECT SUB DISP BASE UR 5245N 15832E

NO VESSELS OR PORT FACILITIES OBSERVED.

25X1D

NIKOLAYEV SHIPYARD NOSENKO 444

UR 4657N 03159E

25X1D

NO APPARENT CHANGE IN FACILITIES SINCE [REDACTED]
NO SUBMARINE FACILITIES OBSERVED.

25X1D

VESSELS -- THE 645-FT UNIDENTIFIED VESSEL IS STILL IN THE FITTING OUT BASIN, HOWEVER, PARTIAL CLOUD COVER PRECLUDES DETAILED ANALYSIS. TWO LARGE AND 2 SMALL MERCHANT VESSELS ARE AT QUAYS AND 2 UNIDENTIFIED VESSELS ARE ON BUILDING WAYS.

25X1D

NIKOLAYEV SHPYD NORTHERN 61 KOMMUNA 445

UR 4659N 03201E

25X1D

NO APPARENT CHANGE IN FACILITIES SINCE [REDACTED]
NO SUBMARINE FACILITIES OBSERVED.

25X1D

VESSELS -- 2 UNIDENTIFIED AT QUAYS.

SHIPYARD OBSCURED BY CLOUD SHADOW.

25X1D

GORKIY SHIPYARD & HEAVY EQUIP PLT 112

UR 5622N 04352E

NO CHANGES IN FACILITIES OBSERVED.

VESSELS -- 1 POSSIBLE SS AT FITTING-OUT PIER, 1 TRANSPORTER DOCK ON BUILDING WAY, AND SEVERAL YARD AND SERVICE CRAFT.

25X1D

Handle Via
TALENT-KEYHOLE
Control System Only

TOP SECRET CHESS RUFF

MISSION 1022-1 20-23 JULY 1965

TCS-80982/65

25X1A

SEVASTOPOL NVL B 8 SHPYD SEVMORZAVOD 497 UR 4436N 03332E

NO SPECIFIC SS FACILITIES OBSERVED.

VESSELS -- 4 PROBABLE W/R-CLASS SS, 4 UNIDENTIFIED
SMALL SS, 1 POSSIBLE SS, 4 CL (1 IN DRYDOCK), 15 DD, 6
DE, AND NUMEROUS UNIDENTIFIED SMALL COMBATANTS AND
AUXILIARIES.

25X1D

25X2

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**Electronics/
Communications**

Handle Via
TALENT-KEYHOLE
Control System Only

TOP SECRET CHESS RUFF
MISSION 1022-1 20-23 JULY 1965

TCS-80982/65

25X1A

ELECTRONICS/COMMUNICATIONS

SIMFEROPOL SPACE TRACKING FACILITY

UR 4503N 03353E

25X1D

NO APPARENT CHANGE SINCE [REDACTED]
EXCEPT THE PREVIOUSLY REPORTED CONCRETE DECK NOW
APPEARS TO HAVE APPROXIMATELY 4 PIECES OF UNIDENTIFIED
EQUIPMENT, THE PREVIOUSLY REPORTED 30-FT DIAMETER
CIRCULAR CONFIGURATION CANNOT BE SEEN, AND THE
INTERFEROMETER APPEARS TO BE NEARING COMPLETION. A
SQUARE-SHAPED SECURITY FENCE ENCLOSES IT.

25X1D

IVASHKA TALL KING-AW RADAR FACILITY

UR 5834N 16219E BONUS 1

2 NM NE OF IVASHKA.
FACILITY CONTAINS A DUAL TALL KING SITE WITH 2 TALL
KING ANTENNAS, 2 ANTENNA BUILDINGS, 2 SUPPORT
BUILDINGS, 2 SETS OF HORIZONTAL FUEL STORAGE TANKS, AND
AN AIR WARNING SITE WITH 1 PROBABLE RANGE AND AZIMUTH
RADAR, APPROXIMATELY 6 UNIDENTIFIED PROBABLE ELECTRONIC
FACILITIES, AND APPROXIMATELY 10 SUPPORT BUILDINGS.

25X1D

MYS KRASHENINNIKOVA CONSOL STATION

UR 5833N 16333E BONUS 2

27 NM SSW OF KARAGINSKIY ON KARAGINSKIY ISLAND.

STATION CONSISTS OF A TALL GUYED CENTRAL REFERENCE
ANTENNA, AND 2 TALL GUYED TERMINAL ANTENNA TOWERS
LOCATED APPROXIMATELY 15,000 FT APART IN A STRAIGHT
LINE WITH AN ORIENTATION OF 20/200 DEGREES. ANOTHER
UNIDENTIFIED PROBABLE ANTENNA IS LOCATED APPROXIMATELY
5,000 FT WEST OF THE CENTRAL ANTENNA. A SUPPORT AREA
CONSISTING OF APPROXIMATELY 10 BUILDINGS IS LOCATED AT
THE BASE OF THE CENTRAL ANTENNA.

25X1D

**Military
Activity**

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TOP SECRET CHESS RUFF

TCS-80982/65

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25X1A

MILITARY ACTIVITY

MIAO-TANG SPECIAL AREA

CH 2835N 10700E

SEARCH AREA IS 80 PERCENT CLOUD COVERED. NO
IDENTIFIABLE MILITARY ACTIVITY OBSERVED IN CLOUD-FREE
AREAS.

25X1D

Complexes

Handle Via
TALENT-KEYHOLE
Control System Only

TOP SECRET CHESS RUFF

TCS-80982/65

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COMPLEXES

25X1A

MEDAN COMPLEX

ID 0335N 09840E

25X1D

NO APPARENT CHANGE SINCE

THE 30-NM SEARCH AREA IS COVERED BY FAIR QUALITY
PHOTOGRAPHY WHICH WAS 90-95 PERCENT CLOUD-FREE.

NO SAM ACTIVITY OBSERVED IN THE CLOUD-FREE AREAS.

25X1D

**Other
Activity**

Handle Via
TALENT-KEYHOLE
Control System Only

TOP SECRET CHESS RUFF

TCS-80982/65

MISSION 1022-1 20-23 JULY 1965

OTHER ACTIVITY

25X1A

RECHITSA SENSITIVE OPERATIONS COMPLEX UR 5226N 03005E

25X1D GOOD COVERAGE PROVIDES AN EXCELLENT VIEW OF THE
RECHITSA SENSITIVE OPERATIONS COMPLEX. THE SIXTH
BUNKER REMAINS UNCOVERED. A SECOND DRIVE-THROUGH
BUILDING IS NEWLY IDENTIFIED IN THE OPERATIONS AREA.
THE BUILDING WAS PRESENT ON [REDACTED] BUT
WAS PARTLY OBSCURED BY TREES AND VEGETATION.

25X1D AT LEAST 3 RAIL LINES IN THE HOLDING YARD CONTAIN
ROLLING STOCK, HOWEVER, SMALL SCALE PRECLUDES
IDENTIFICATION. THE HOUSING AND ADMINISTRATION
FACILITIES AND OTHER SUPPORTING FACILITIES SHOW LITTLE
CHANGE SINCE [REDACTED]

(SEE ATTACHMENT)

25X1D [REDACTED]

Attachments

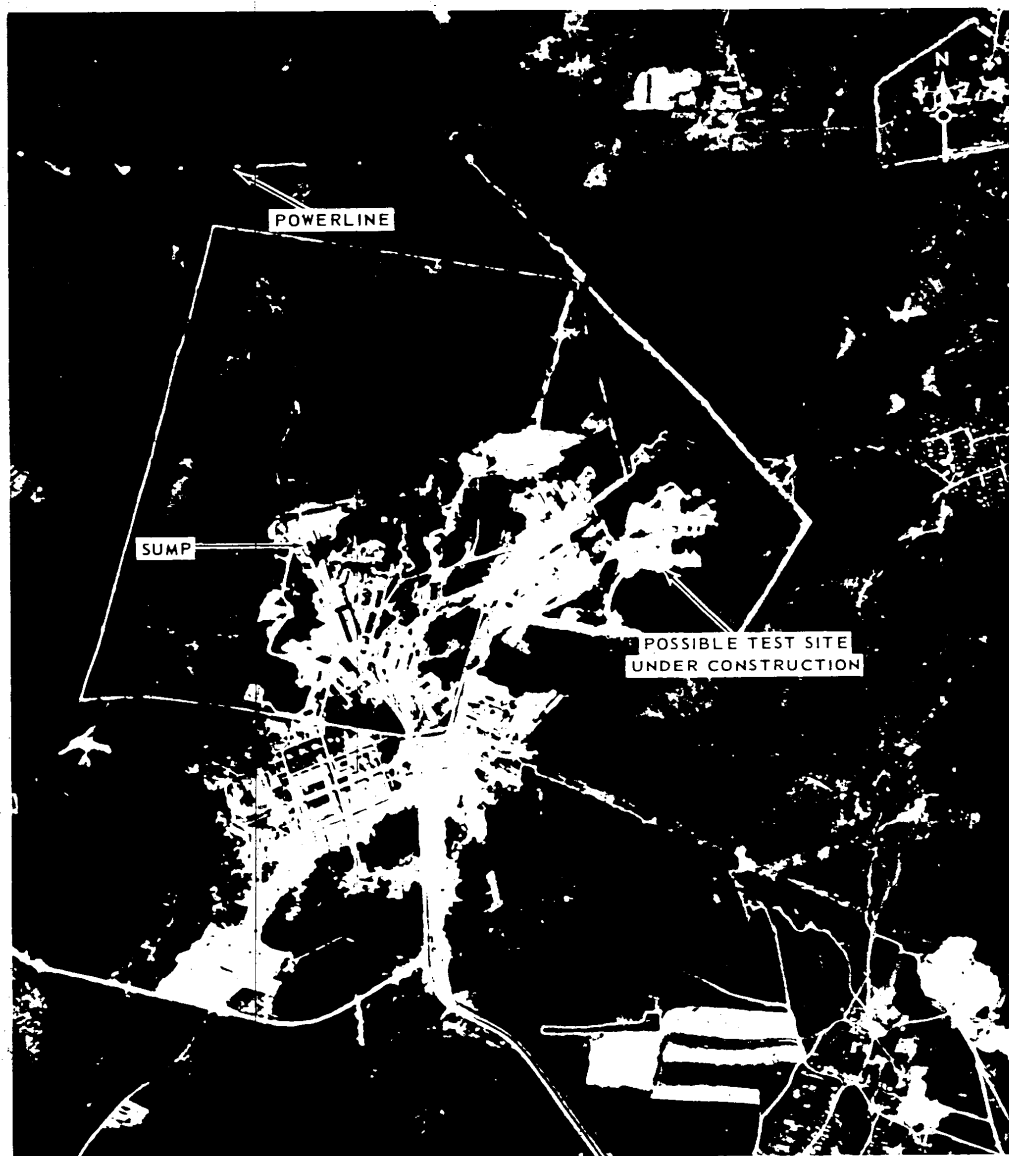
Handle Via
TALENT-KEYHOLE
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ATTACHMENT 1



ROCKET ENGINE TEST FACILITY, ZAGORSK, USSR

TOP SECRET CHESS RUFF

Handle Via
TALENT-KEYHOLE
Control System Only

Handle Via
TALENT-KEYHOLE
Control System Only

TOP SECRET CHESS RUFF

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ATTACHMENT 2



ALEKSEYEVKA AIRFIELD, USSR

TOP SECRET CHESS RUFF

Handle Via
TALENT-KEYHOLE
Control System Only

25X2

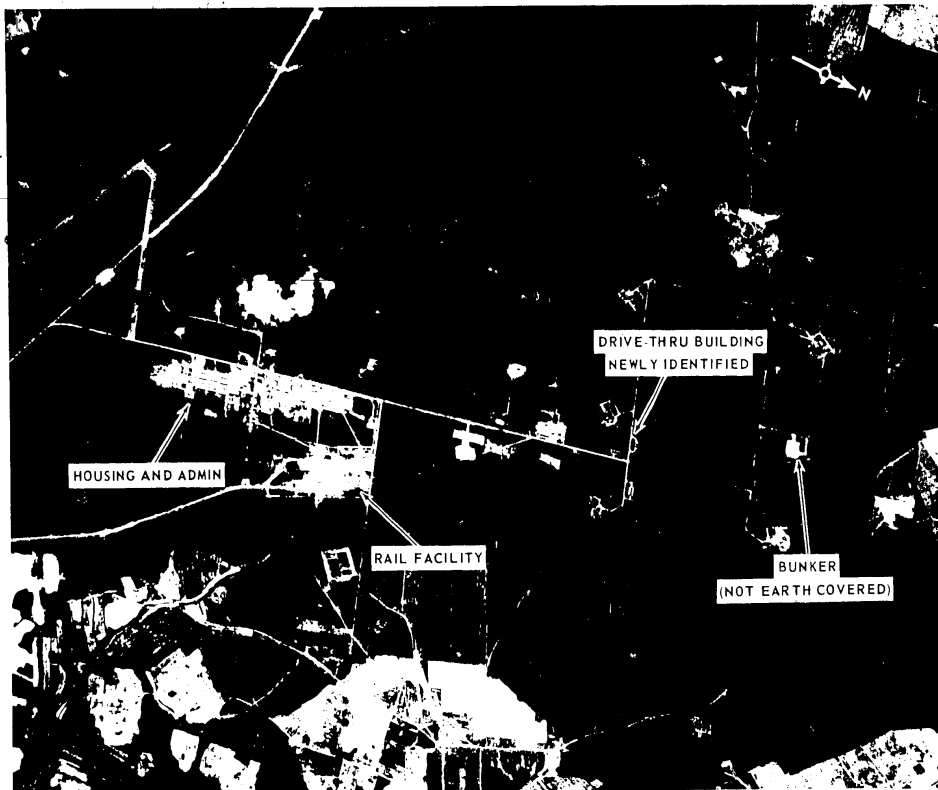
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TOP SECRET CHESS RUFF

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ATTACHMENT 5



RECHITSA SENSITIVE OPERATIONS COMPLEX, USSR

TOP SECRET CHESS RUFF

Handle Via
Talent Keyhole
Control System Only

TOP SECRET

TOP SECRET

TOP SECRET

TOP SECRET